

FWS:HA
V-2

PUBLICATIONS OF THE
DEPARTMENT OF COMMERCE
BUREAU OF STANDARDS
WASHINGTON

Letter
Circular
LC 247

April 17, 1928.

DETERGENTS (SOAPS, POLISHES, ETC.)

(The publications for which prices are indicated may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D.C. Remittance should be made by coupons (which may be purchased from the Superintendent of Documents in sets of 20 for \$1.00), postal money order, express order, or New York draft payable to the "Superintendent of Documents, Government Printing Office, Washington, D.C." Currency may be sent at sender's risk. Postage stamps, defaced or smooth coins, or foreign money positively will not be accepted. Publications are forwarded under Government frank to addresses in the United States and its possessions; also to Mexico and Canada. The publications not priced may be obtained directly from the Bureau of Standards.)

Technologic Papers

| <u>Number</u> | <u>Title</u> | <u>Price</u> |
|---------------|---|--------------|
| T 273 | Performance Tests of a Liquid Laundry Soap Used with Textile Materials (1924) F.R.McGowan, F.W.Smith, and Charles W. Schoffstall..... | 10¢ |

This study was made to compare the properties of a liquid laundry soap with other washing and scouring agents with respect to shrinkage in weight and dimensions, fading of dye, and changes in the construction and feel of fabrics. Tests were run on various textile materials, including knitted fabrics, wool fabrics, mohair yarns, and wool fleeces. The laundry practice was both mild and severe to cover the range of usual practices in laundry operations. It was found that the liquid laundry soap was superior in each of the tests.

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| T 280 | Reclamation of Gasoline Used in Dry Cleaning (1925) C. C. Hubbard | 5¢ |
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This paper outlines and discusses briefly the processes that have been used for the "purification" and recovery of gasoline used in dry cleaning. Results are reported of laboratory and plant experiments and of large scale plant tests. A "settling and decanting" process is recommended, using activated carbon and an aqueous solution of trisodium phosphate.

| <u>Number</u> | <u>Title</u> | <u>Price</u> |
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|-------|---|-----|
| T 322 | Effect of Dry Cleaning on Silks (1926) M.H.Goldman, C.C.Hubbard and Charles W. Schoffstall | 15¢ |
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Samples of unweighted and weighted silks were exposed to sunlight after various treatments, including perspiration, dry-cleaning solvents, ironing, etc. Strength tests were made at intervals. Results show deterioration of the fabric resulting from sunlight and perspiration. Apparently no deterioration was caused by the dry-cleaning solvents.

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| T 350 | A Study of Problems Relating to the Maintenance of Interior Marble (1927) D. W. Kessler | 35¢ |
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This paper describes the results of a research covering two years' work at the Bureau of Standards in cooperation with the National Association of Marble Dealers. The work was concerned with the ultimate effects on marble due to an extended period of cleaning with various detergents. Several practical methods for removing the more common types of stains occurring on interior marble work were developed. In conjunction with this research, studies were made on the effects of exposing marble to such severe conditions as sometimes arise in soda fountain counters and when marble is attached to damp walls. Methods of treating marble before installation under severe or unusual conditions were considered.

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| T 360 | Cleaning of Fur and Leather Garments (1927) M.H.Goldman and C.C.Hubbard | 10¢ |
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A study was made of the method of dry cleaning of fur and leather, and it was found that the addition of a small percentage of paraffin to the cleaning bath improved the appearance and pliability of the material. A trial in a number of cleaning plants resulted in recommended standards of practice.

Circulars

| <u>Number</u> | <u>Title</u> | <u>Price</u> |
|---------------|--|--------------|
| C 62 | Soap..... | 5¢ |
| C 70 | Materials for the Household | 25¢ |
| C 123 | U.S.Government Specification for White Floating Soap (For Toilet Use) ... | 5¢ |
| C 124 | " " " " Liquid Soap (For Toilet Use) | 5¢ |
| C 125 | " " " " Soap Powder | 5¢ |
| C 126 | " " " " Salt Water Soap | 5¢ |
| C 127 | " " " " Automobile Soap | 5¢ |
| C 128 | " " " " Chip Soap | 5¢ |
| C 129 | " " " " Ordinary Laundry Soap | 5¢ |
| C 130 | " " " " Grit Cake Soap..... | 5¢ |
| C 131 | " " " " Scouring Powders for Floors | 5¢ |
| C 132 | " " " " Hand Grit Soap..... | 5¢ |
| C 193 | " " " " Liquid Soap (For Laundry Use) | 5¢ |
| C 194 | " " " " Milled Toilet Soap.. | 5¢ |
| C 195 | " " " " Powdered Soap (For Laundry Use) | 5¢ |
| C 314 | " " " " Soda Ash | 5¢ |
| C 315 | " " " " Caustic Soda (Lye) (For Cleaning Pur- poses)..... | 5¢ |
| C 316 | " " " " Laundry Soda (Wash- ing Soda)..... | 5¢ |
| C 317 | " " " " Granular Sodium Car- bonate (Monohydrate Crystals)..... | 5¢ |

Miscellaneous

LC 124 Recommended Specification for Powdered Ammonia

Federal Specification Board Specifications
not issued as Bureau of Standards Publications

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|-----------|---|
| Spec. 340 | U.S.Government Master Specification for Polishing Paste |
| " 341 | " " " " " Liquid Metal Polish |
| " 390 | " " " " " Silver Polish |
| " 551 | " " " " " Laundry Appliances |

